

Claims:

We claim

1. An insect egg protein supplement for rearing beneficial insects comprising:

a homogenate of host insect eggs on which a beneficial insect feeds wherein said homogenate is added in amounts effective to increase fecundity of female beneficial insects reared on an artificial diet.

2. The egg protein supplement of claim 1 wherein said egg homogenate is further purified by centrifugation, column chromatography, and isoelectric focusing.

3. The supplement of claim 1 wherein said host insect egg is selected from the group consisting of *Plodia interpunctella* and *Ephestia kuehniella* and said beneficial insect is *Orius insidiosus*.

4. An insect egg protein supplement for rearing beneficial insects comprising:

pelletized embryonic host insect egg cells added directly to an artificial medium for rearing beneficial insects, wherein said cells and diet are sonicated and the pelletized cells are added

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to said diet in amounts effective to increase fecundity of said beneficial insect.

5. An insect egg protein supplement for rearing beneficial insects comprising:

pelletized embryonic host insect egg cells homogenized to form a homogenate and said homogenate is added to an artificial medium for rearing beneficial insects in amounts effective to increase fecundity of said beneficial insects.

6. The supplement of claim 5 wherein said egg homogenate is further purified by centrifugation, column chromatography, and isoelectric focusing.

7. The supplement of claim 4 wherein said host insect egg is selected from the group consisting of *Plodia interpunctella* and *Ephestia zneuniella* and said beneficial insect is *Orius insidiosus*.

8. An artificial medium for rearing beneficial insects comprising:

a homogenate of host insect eggs on which a beneficial insect feeds wherein said homogenate is added in amounts effective to increase fecundity of female beneficial insects reared on an artificial diet.

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9. The artificial medium of claim 8 wherein said egg homogenate is further purified by centrifugation, column chromatography, and isoelectric focusing.

10. The artificial medium of claim 8 wherein said host insect egg is selected from the group consisting of *Plodia interpunctella* and *Ephestia zneuniella* and said beneficial insect is *Orius insidiosus*.

11. An artificial medium for rearing beneficial insects comprising:

pelletized embryonic host insect egg cells added directly to an artificial medium for rearing beneficial insects, wherein said cells and diet are sonicated and the pelletized cells are added to said diet in amounts effective to increase fecundity of said beneficial insect.

12. An artificial medium for rearing beneficial insects comprising:

pelletized embryonic host insect egg cells homogenized to form a homogenate and said homogenate is added to an artificial medium for rearing beneficial insects in amounts effective to increase fecundity of said beneficial insects.

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13. The artificial medium of claim 12 wherein said egg homogenate is further purified by centrifugation, column chromatography, and isoelectric focusing.

14. The artificial medium of claim 12 wherein said host insect egg is selected from the group consisting of *Plodia interpunctella* and *Ephestia zneuniella* and said beneficial insect is *Orius insidiosus*.